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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/898,347      | 07/02/2001  | Tao Chen             | 010401              | 2438             |

23696 7590 07/29/2003

Qualcomm Incorporated  
Patents Department  
5775 Morehouse Drive  
San Diego, CA 92121-1714

EXAMINER

LAMARRE, GUY J

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2133

DATE MAILED: 07/29/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PR4

# Office Action Summary

Application No.

09/898,347

Applicant(s)

CHEN ET AL.

Examiner

Guy J. Lamarre, P.E.

Art Unit

2133

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 02 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

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### **DETAILED ACTION**

1. Applicant's formal drawings of 11 March 2002, IDS of 8 Jan. 2003 and change of address of 9 June 2003 have been entered. The Examiner has considered the IDS: PTO Form 1449 will be forwarded when the application is in condition for allowance.

1.1 Pursuant to 35 USC 131, Claims 1-18 are presented for examination.

#### **Reassignment Affecting Application Location**

2. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2133.

#### **Claim Rejections - 35 USC ' 102**

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States..

3.1 **Claims 1-18** are rejected under 35 U.S.C. 102 (b) as being anticipated by GONNO (EP Patent No. 000876023; 4 NOV. 1998).

**As per Claims 1 and 10, Gonno** discloses an equivalent means for providing frame re-transmission in a broadcast communication system, comprising: a receiver (col. 4 line 9 and col. 5 lines 9-10) for receiving a message indicative of a frame received in error by a wireless communication device, said message including an identification of said frame; a memory (col. 4 line 27) for storing a predetermined number for determining when to re-transmit said frame; and a processor (col. 4 line 11) for determining a cumulative number of times that said frame was received in error and for ordering a re-transmission of said frame if said cumulative number of times is greater than said predetermined number.

**As per Claims 2 and 11, Gonno** discloses an equivalent means wherein: said message further comprises a wireless communication device identification (col. 4 line 9 and col. 5 lines 9-10); said memory (col. 4 line 27) is further for storing said wireless communication device identification; said processor is further for determining a cumulative number of times that said frame was received in error, said cumulative number increased each time that said frame is identified by subsequent messages from other wireless communication devices.

**As per Claims 3 and 13, Gonno** discloses an equivalent means wherein said message comprises a negative acknowledgement message (NAK) (col. 4 line 35 and col. 5 lines 15-17, col. 6 line 52).

**As per Claim 4, Gonno** discloses an equivalent means wherein said identification comprises a frame number (col. 4 line 9 and col. 5 lines 9-10).

**As per Claim 5, Gonno** discloses, in col. 4 line 11 and col. 12 line 52, an equivalent means wherein said predetermined number comprises a fixed number.

**As per Claim 6, Gonno** discloses, in col. 4 line 11, an equivalent means wherein, said predetermined number comprises a variable number.

**As per Claims 7, 12 and 14, Gonno** discloses, in col. 11 line 1, an equivalent means wherein said predetermined number varies in accordance with a latency associated with transmitting new data frames to said wireless communication device.

**As per Claims 8, 15, 16 and 18, Gonno** discloses, in col. 11 lines 1 and 11, an equivalent means further comprising a transmit buffer, wherein said latency is determined by counting the number of data frames waiting to be transmitted in said transmit buffer.

**As per Claims 9 and 17, Gonno** discloses, in col. 11 line 25 et seq., an equivalent means wherein said predetermined number varies in accordance with the number of wireless communication devices currently receiving a broadcast transmission.

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**3.2** To anticipate under section 102, a prior art reference must disclose all the elements of the claimed invention or their equivalents functioning in essentially the same way. The inquiry as to whether a reference anticipates a claim must focus on what subject matter is encompassed by the claim and what subject matter is described by the reference. As set forth by the court in *Kalman v. Kimberly-Clark Corp.* 713 F.2d 760, 218 USPQ 781, 789 (Fed. Cir. 1983), cert. denied, 465 U.S. 1026 (1984) it is only necessary for the claims to "read on" something disclosed in the reference, i.e., all limitations in the claim are found in the reference, or 'fully met' by it." The Examiner respectfully submits that all the limitations of Claims 1-18, or their equivalents functioning in essentially the same way, are found in the **Gonno** reference.

#### **Conclusion**

**4.** The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**4.1** Any response to this action should be mailed to:

Commissioner of Patents and Trademarks, Washington, D.C. 20231

**or faxed to:**

(703) 746-7238, (for After-Final communications),

(703) 746-7239, (for formal communications intended for entry),

(703) 746-5463 (for informal or draft communications, please label "PROPOSED" or "DRAFT").

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guy J. Lamarre, P.E., whose telephone number is (703) 305-0755. The examiner can normally be reached on Monday to Friday from 9:30 AM to 6:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert De Cady, can be reached on (703) 305-9595.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Guy J. Lamarre, P.E.



Patent Examiner

7/26/03

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